Deepnet Unified Authentication Platform
Two-Way and Two-Factor (2x2) Authentication

Deepnet Unified Authentication is a single integrated security platform for provisioning, managing and verifying all types of user and host authentication methods, form-factors and user credentials, including:

- Hardware Tokens: OATH-compliant, RSA SecurID
- Software, Mobile Phone & SMS Tokens
- USB Flash Drive Tokens
- Keystroke Dynamics
- Voiceprint Biometrics
- Virtual Smartcard
- OTP on Mobile Phones
- OTP on Credit Cards
- OTP in Your Wallets

Deepnet Unified Authentication Platform integrates with most commonly used enterprise applications as well as web-based applications, including:

- Windows Logon: Network Access, Desktop Logon
- VPN Remote Access: IPSec & SSL VPN
- Web Applications: Online gaming, shopping
- Outlook Solutions: Web Access, Outlook Anywhere, ActiveSync
- Citrix Solutions: Citrix Web Interface, Citrix Access Gateway
- 2X Solutions: Application Server, Thin Client, Virtual Desktop

Deepnet Unified Authentication Platform offers LDAP integration, centralized user management, web based administration, multi-platform support and audit trail features. It is a complete solution for strong user authentication that is extremely user-friendly, cost-effective and easy to integrate into your existing IT infrastructure. The server software supports both MS Windows Server and Linux operating systems.
**AUTHENTICATIONS**

**MobileID** transforms any JAVA enabled mobile phone into an One-Time Password (OTP) token device, providing the most cost-effective OTP-based two-factor authentication solution. MobileID is an ideal replacement to the conventional one-time password hardware tokens.

**QuickID** turns any mobile phone into an authentication token by sending one time password via SMS text message to the mobile phone. QuickID is the quickest and simplest way of providing a secure two-factor authentication solution.

**SafeID** is a compact security device that generates one-time passwords (OTP) with a single press on a button. It enables the users to logon to secure applications safely and securely, such as VPN remote access, windows logon and online banking.

Unlike conventional security tokens that often expire in 3 to 5 years, Deepnet SafeID never expires.

**PocketID** is an OTP token in the form factor of a plastic card - the same size as a credit card. It can be easily carried in your pocket or wallet. For banking customers, it can be combined with your existing credit cards or bank cards. For enterprise customers, it can be combined with your employee identity smart cards.

PocketID provides the perfect balance between security and portability.

**GridID** is a simple, effective, two-factor and two-way OTP authentication method based on security grids. These security grids are typically printed on credit card-sized cards that can be easily carried in user’s wallets, or they can be printed on the back of employee access badges, credit cards or ATM cards.

Unlike other grid cards that are not secure, Deepnet GridID can be protected with a PIN or password.

**FlashID** intelligently transforms the standard USB flash drive into a security token, which can then be used in any applications where two-factor authentication is required.

FlashID provides a more cost effective hardware token-based authentication solution than the conventional dedicated hardware token.

**SmartID** is a 3-in-1 solution that combines virtual smart card, plug-and-play USB flash drive and onboard TPM (Trusted Platform Module) security chip, providing the same advanced security functionality as conventional plastic smart cards. SmartID is designed to support public key infrastructure (PKI) for authentication, digital signatures and file encryption as well as securely storing Windows credentials for authentication but at the fraction of a cost of the conventional smart cards.

**TypeSense** is a software-only biometric authentication based on typeprint recognition that uses keystroke dynamics to accurately identify a user by their typing rhythm and pattern.

TypeSense provides dependable, immediate and unobstructed access to online accounts at any time and any place. It is handy, reliable, low-cost, easy to implement and use.

**VoiceSense** is a text and language independent biometric speaker verification system that verifies the speaker’s identity in real time using a simple spoken phrase. The ubiquitousness of computer microphone and mobile phone makes the voice authentication an ideal two-factor authentication solution for enterprise, online banking and telecom applications.

**DevicePass** creates a unique “deviceprint”, a digital fingerprint of the device, using the device’s hardware characteristics including the hard disk ID, CPU serial number and network MAC address etc.

Combining the deviceprint with a user name and password, online and enterprise applications can restrict access to only trusted devices and authenticated users.

**RemoteID** can identify an online user by remotely fingerprinting the user’s PC device without installing any additional end-user software.

RemoteID delivers a low-cost two-factor authentication solution for mass-market web applications such as online banking and ecommerce websites.

**Site Stamp** provides a simple yet effective way for users to sign or stamp websites that they trust. At logon, Site Stamp presents users with their own personalised dynamic images to ensure that they are communicating with a legitimate website and not a phishing website.

Site Stamp delivers a low-cost two-way authentication solution for mass-market web applications such as online banking and ecommerce websites.
Deepnet Unified Authentication Platform delivers multiple two-factor and two-way (2x2) authentication solutions for securing network access, remote access and web access.

**Windows Logon**

**VPN Remote Access**

**Web Applications**

**Outlook Web Access**

**Citrix Web Interface**

**2X Web Access Portal**

**PLATFORM**

**Supported Operating Systems:**
- Windows
- Linux
- Unix
- Sun OS

**Supported Directories:**
- Active Directory
- Open LDAP
- Open Directory

**Supported Databases:**
- MS-SQL
- Oracle
- My-SQL
KEY ADVANTAGES

Innovative
Deepnet Unified Authentication is based on several patent pending technologies. These unique technologies combined provide strong security with great usability at a low cost, accomplishing the optimal balance between business security, customer convenience, total cost of ownership and regulatory compliance.

Unified
On one single platform, Deepnet Unified Authentication provides and seamlessly manages as many as 10 unique authentication methods and user credentials, covering one-time passwords, security tokens, smart cards and biometrics.

For businesses, Deepnet Unified Authentication provides a single identity management platform for all types of solutions: web access, remote access and enterprise network access control.

Adaptive
Deepnet Unified Authentication is designed with an open architecture that easily adapts third-party hardware tokens such as RSA SecurID and VASCO DigiPass and manages them in the same way that it manages its own security tokens.

Competitive
Deepnet Unified Authentication meets and exceeds the security levels typically achieved by full-scaled PKI implementation, but at a fraction of its cost, complexity and deployment.

KEY FEATURES
- Two-Way Authentication
- Two-Factor Authentication
- No Dedicated Hardware
- No Software Installation
- Flexible Token Options

KEY BENEFITS
- Easy to Integrate
- Easy to Deploy
- Easy to Maintain
- User Friendly
- Cost Effective

One Platform, Many Solutions
Deepnet Unified Authentication is a unified authentication platform designed to provide strong (two-factor) and mutual (two-way) authentication for different types of business solutions and different groups of users.

Deepnet Unified Authentication is the most comprehensive and versatile two-factor and two-way authentication platform available today that delivers significantly lower TCO than traditional hardware tokens, and ultimate user-friendliness to end users.

Furthermore, there are several innovative and advanced technologies with key features that make Deepnet Unified Authentication significantly competitive to alternative software-based two-factor and two-way authentication products in the market.